



FIG. 2
100

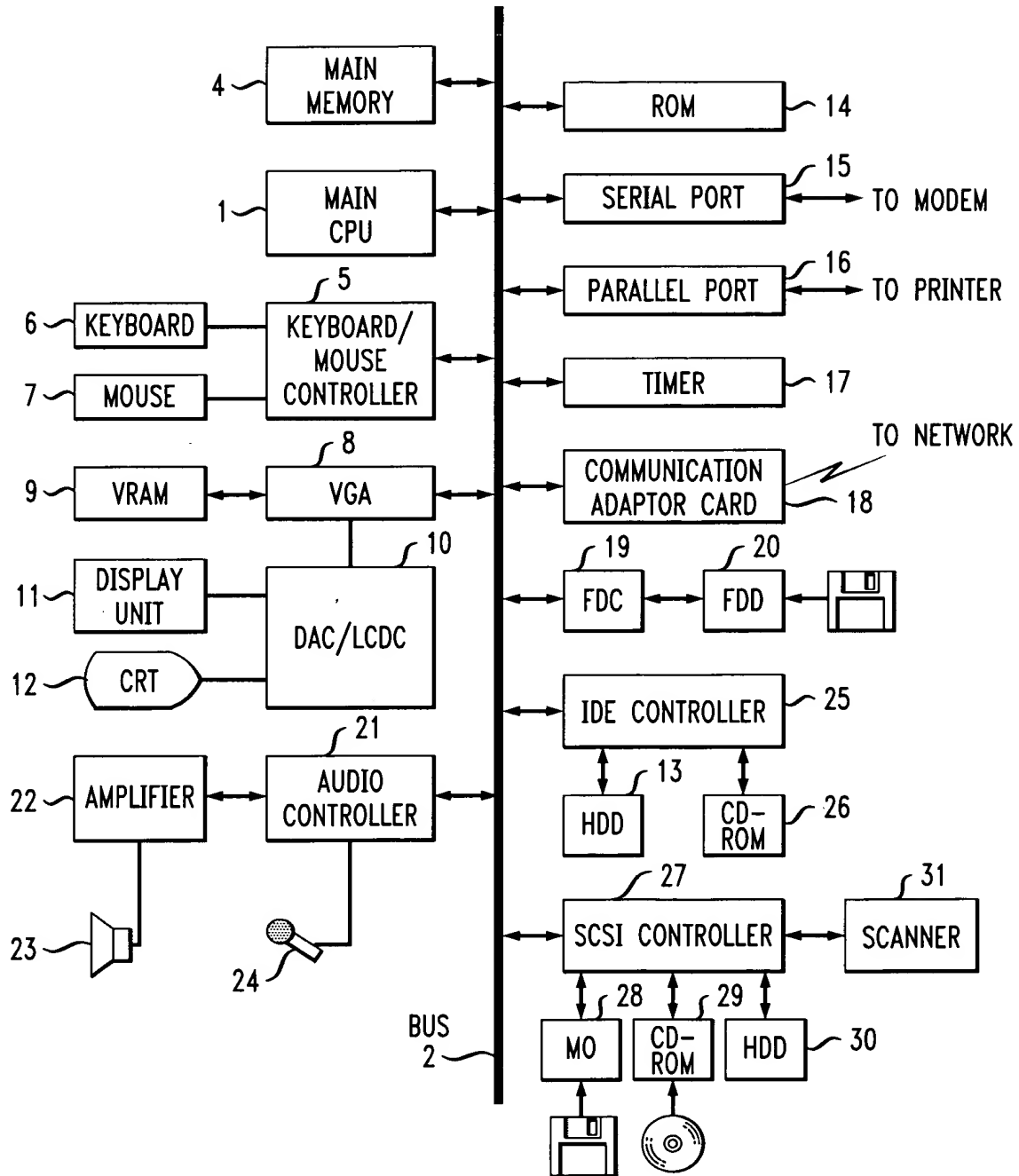




FIG. 3
NEW PROXY
APPLICANT SETTING

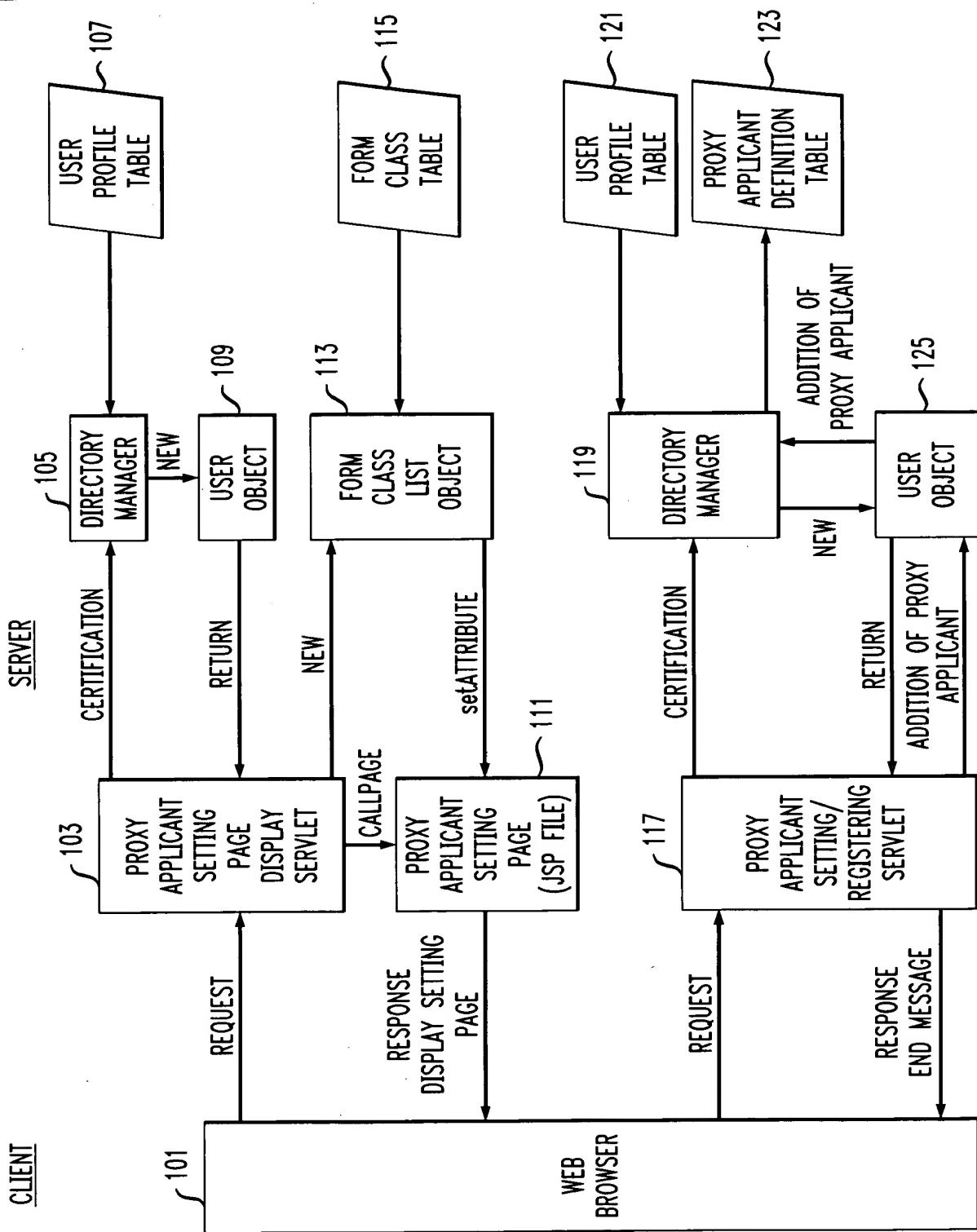
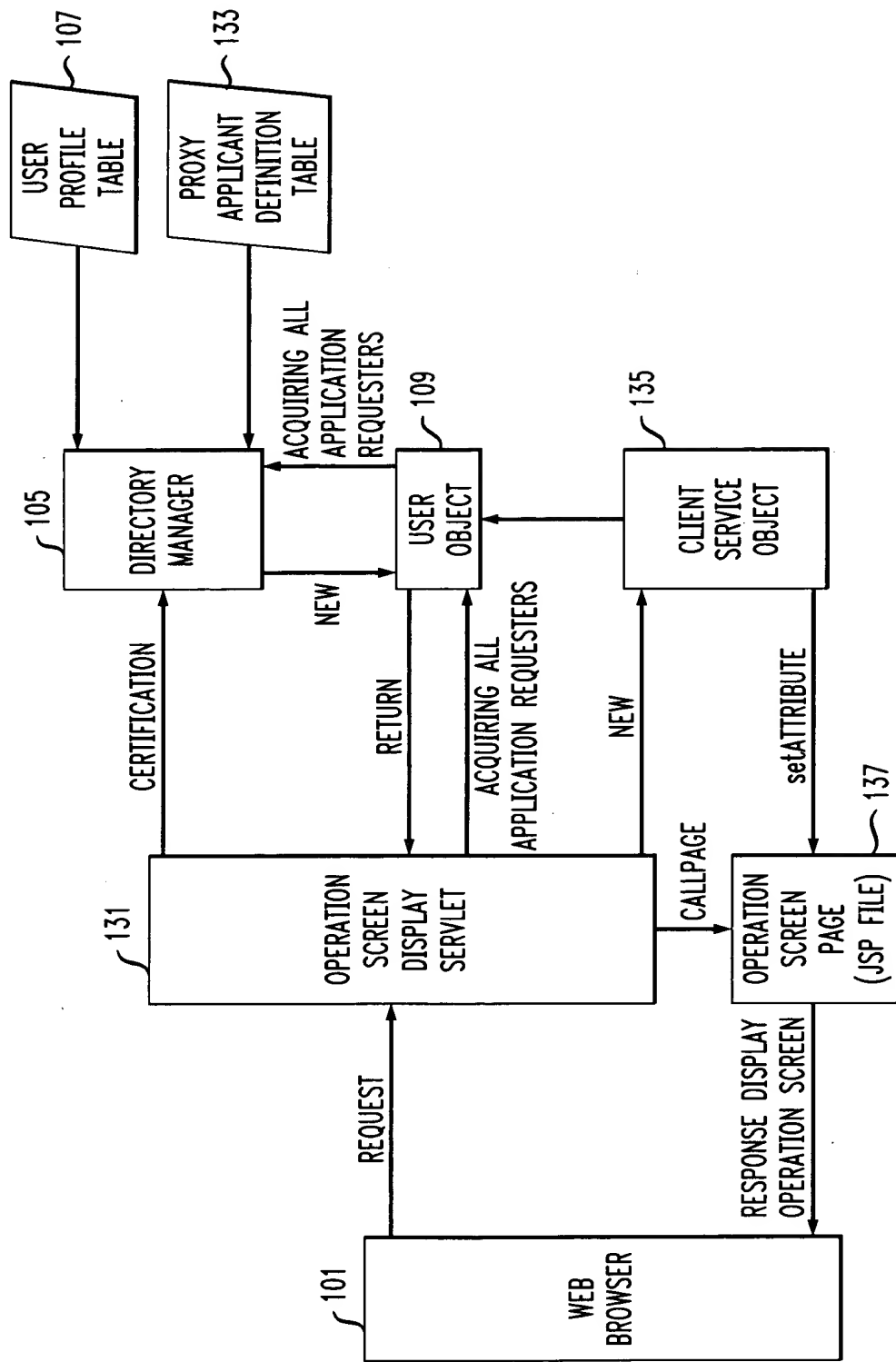


FIG. 4

OPERATION
SCREEN DISPLAY

CLIENT

SERVER





5/20
JA9-99-165

09/669,598

FIG. 5

FORM LIST DISPLAY

CLIENT

101

SERVER

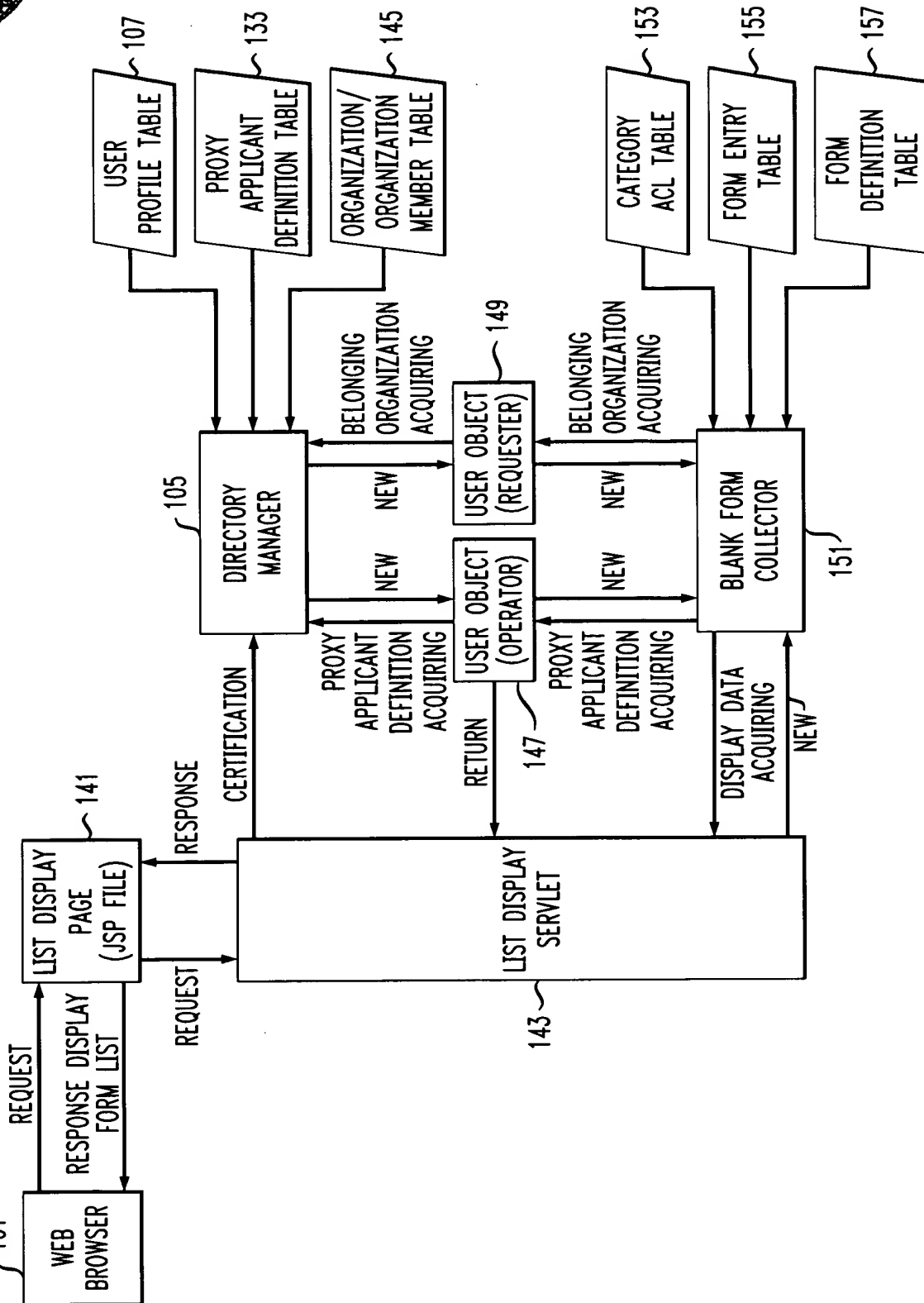


FIG. 6
FORM DISPLAY

CLIENT

SERVER

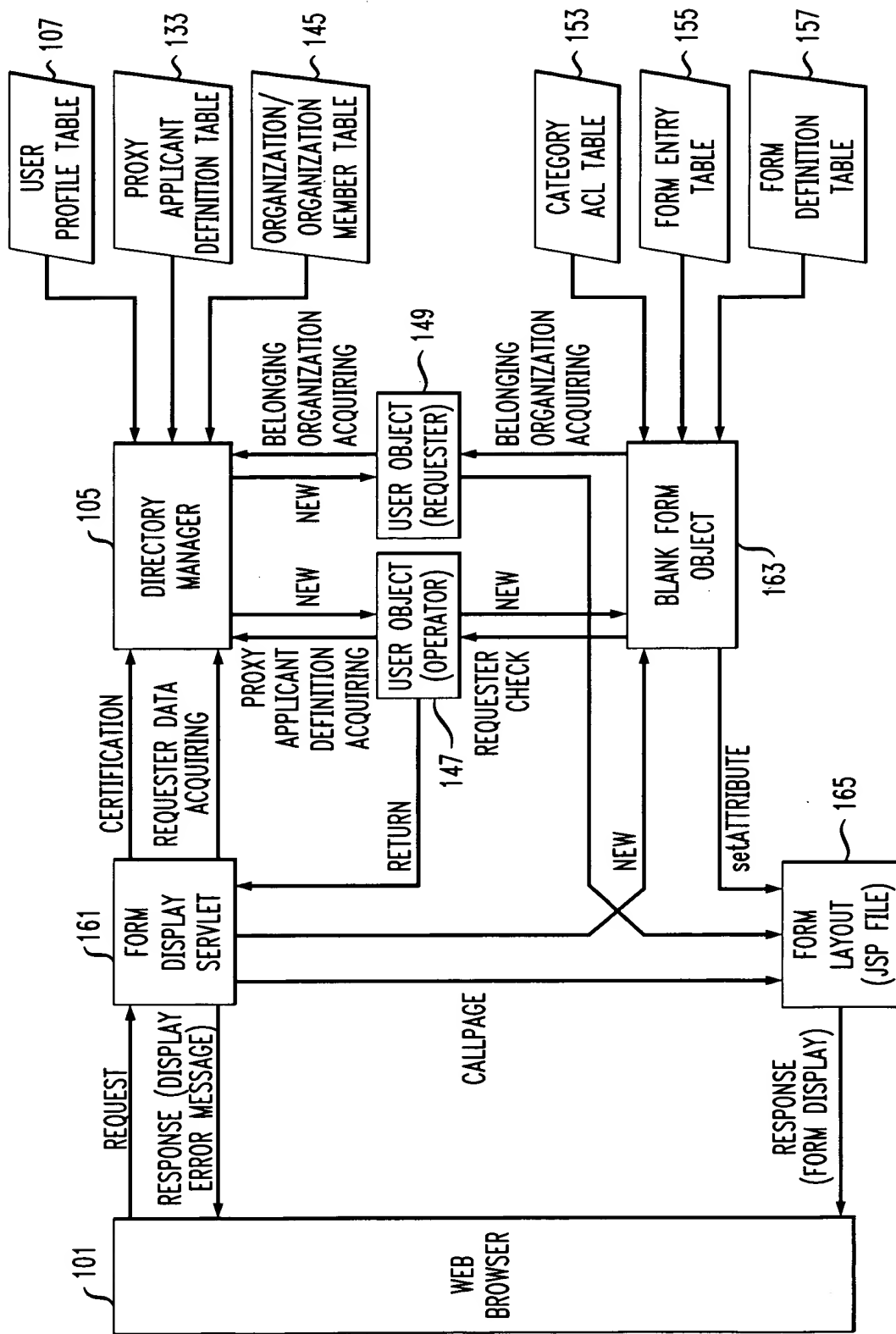




FIG. 7

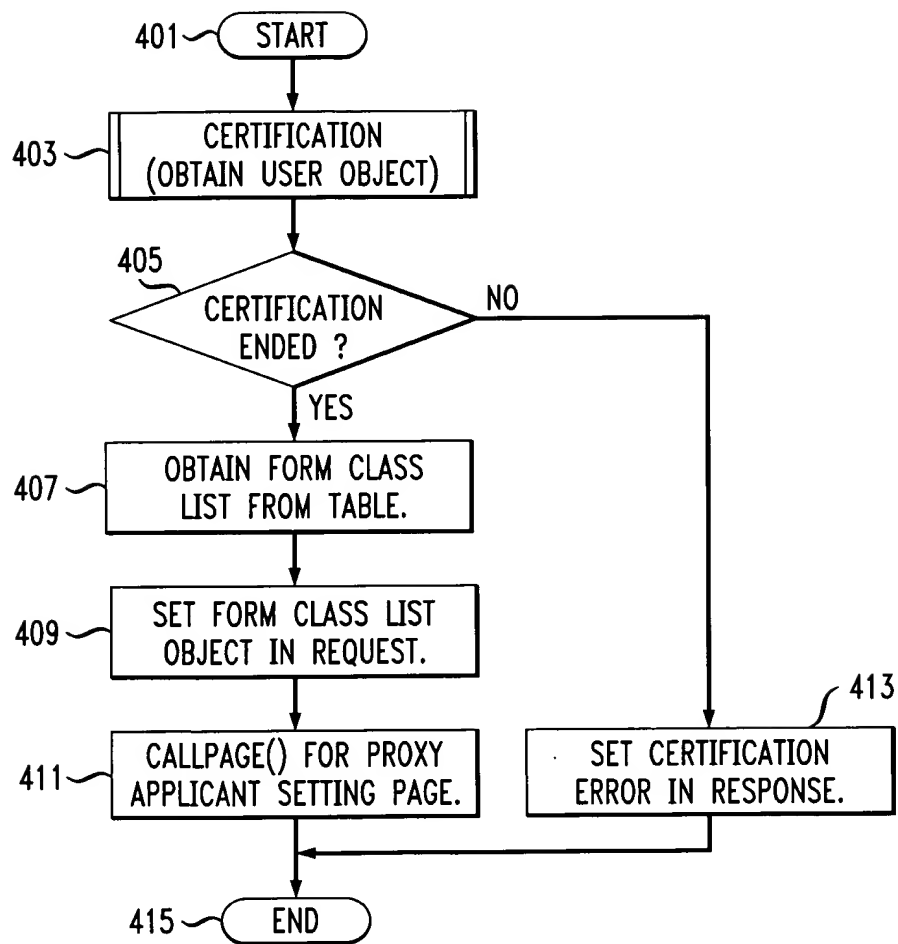




FIG. 8

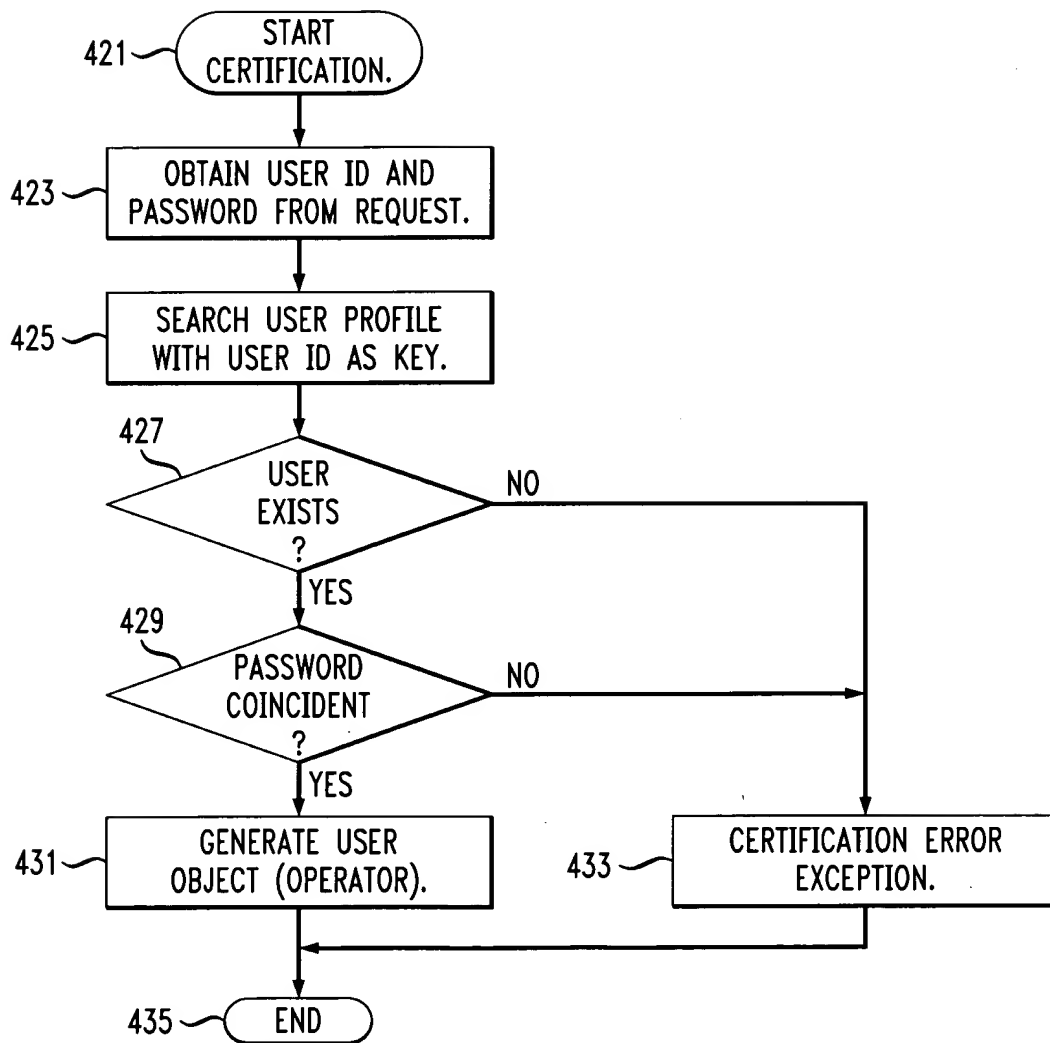




FIG. 9

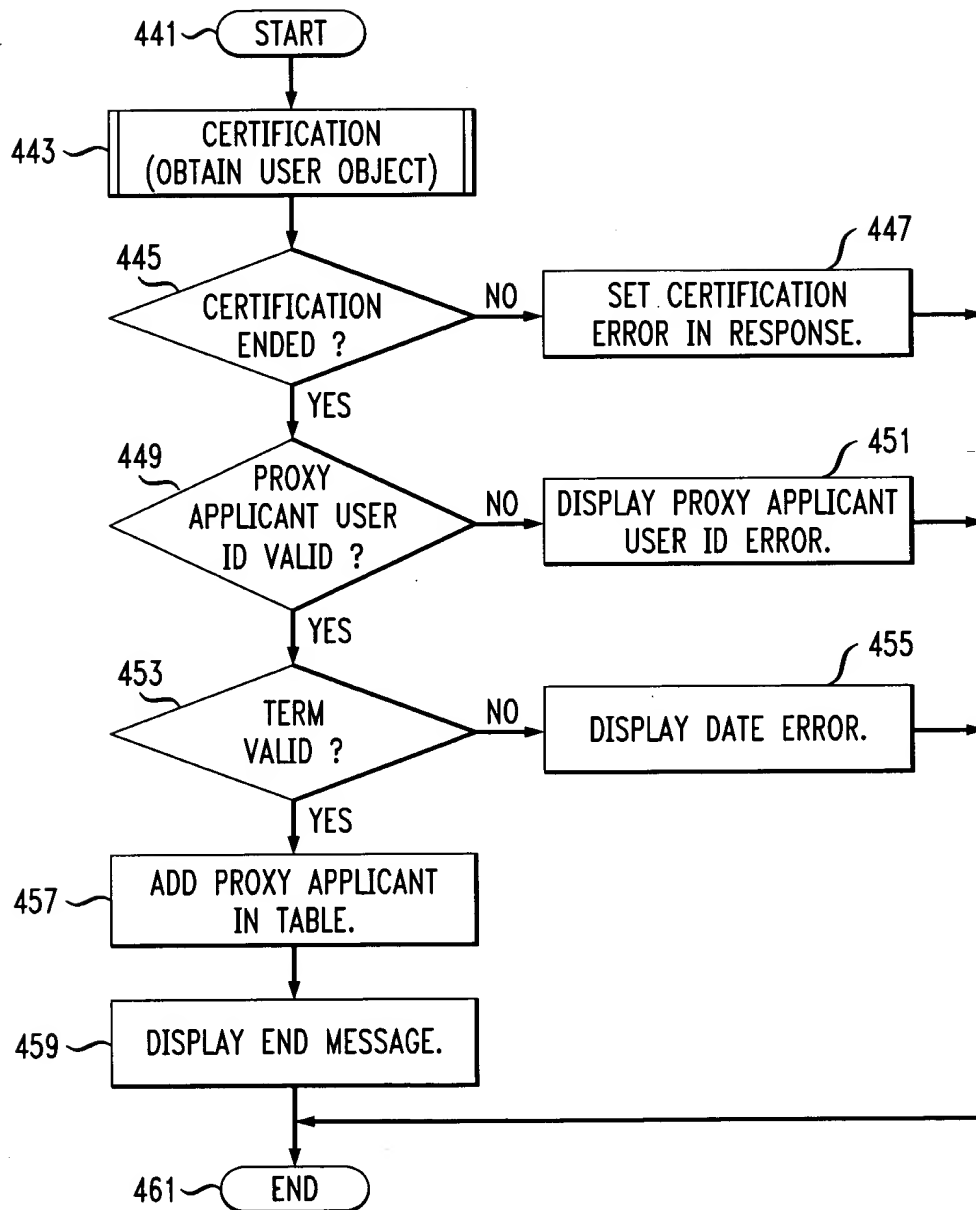




FIG. 10

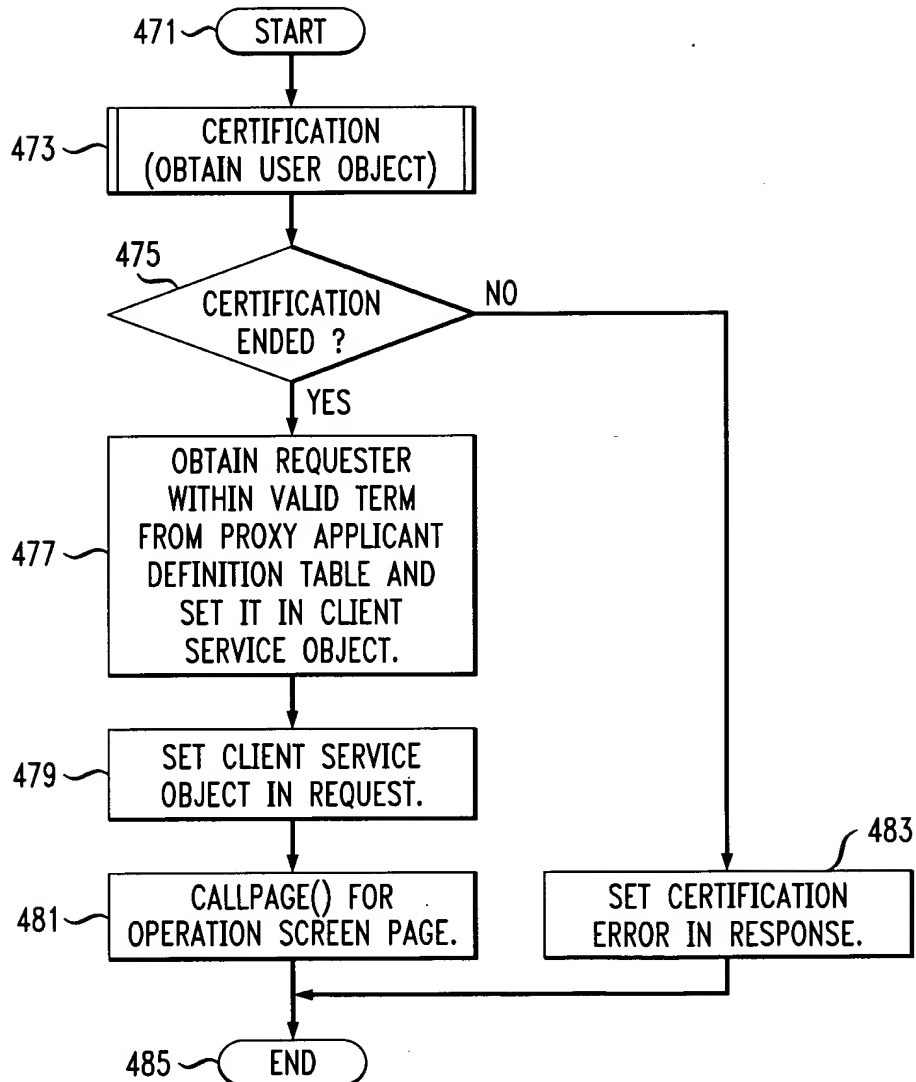




FIG. 11

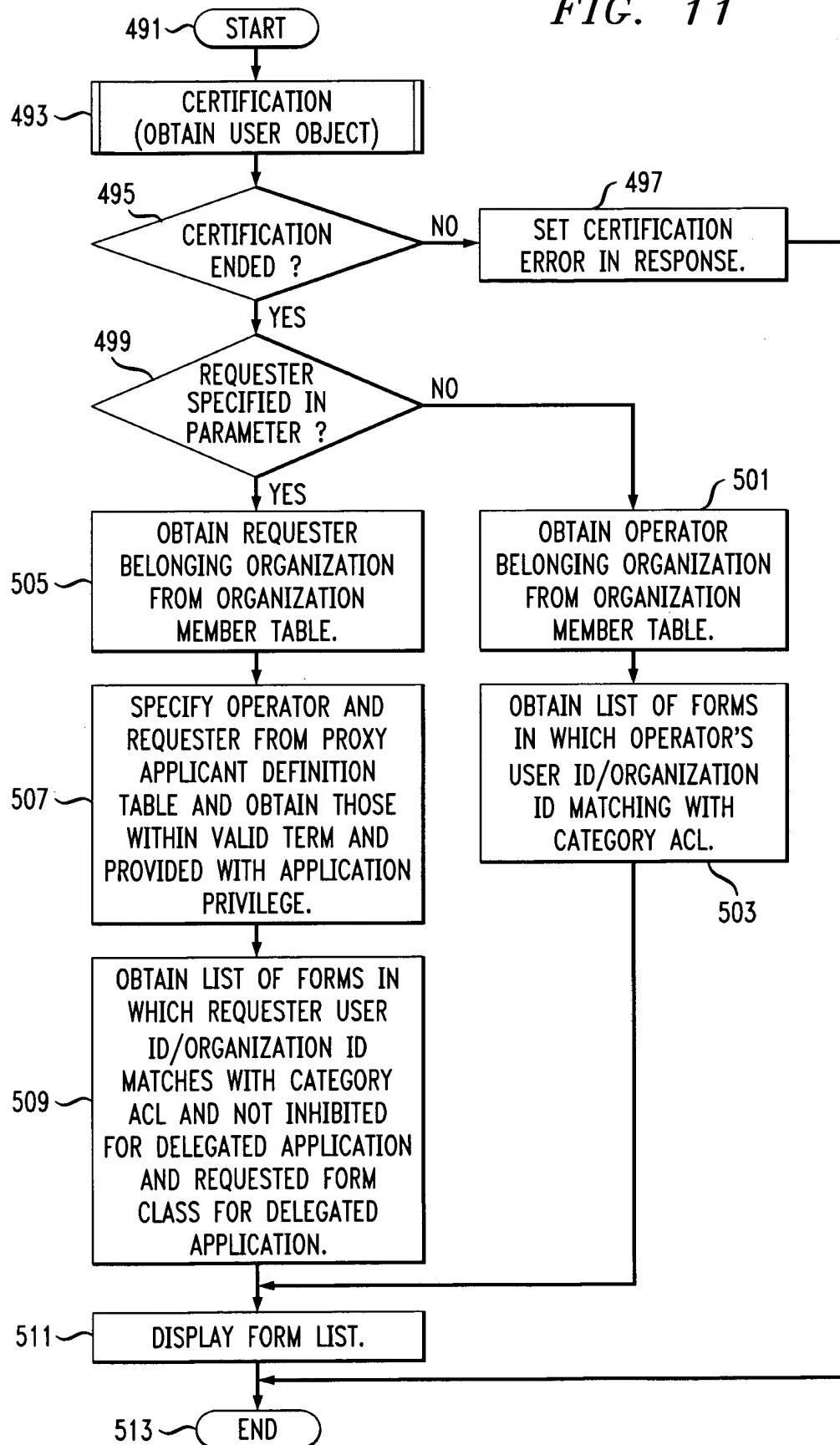




FIG. 12

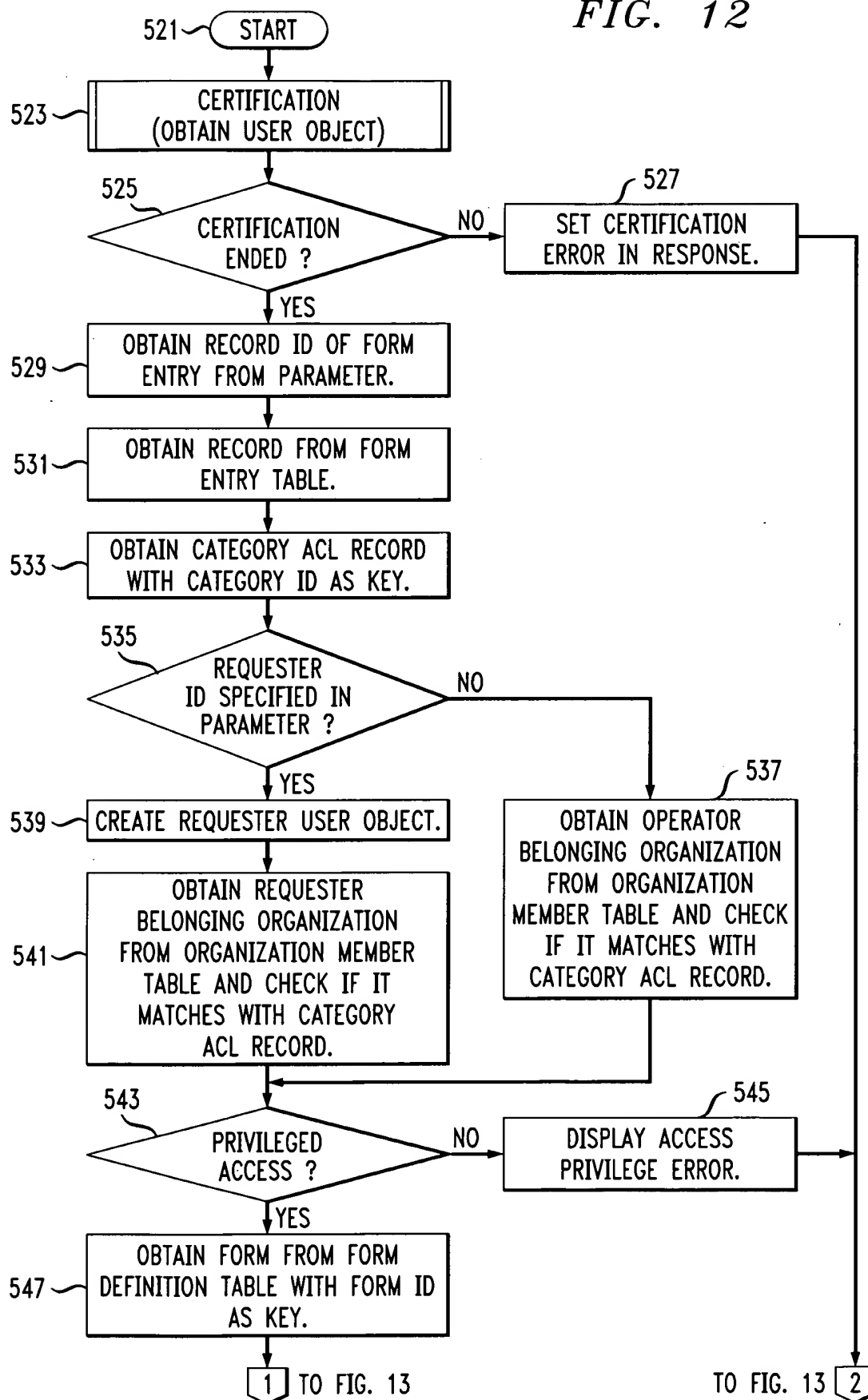




FIG. 13

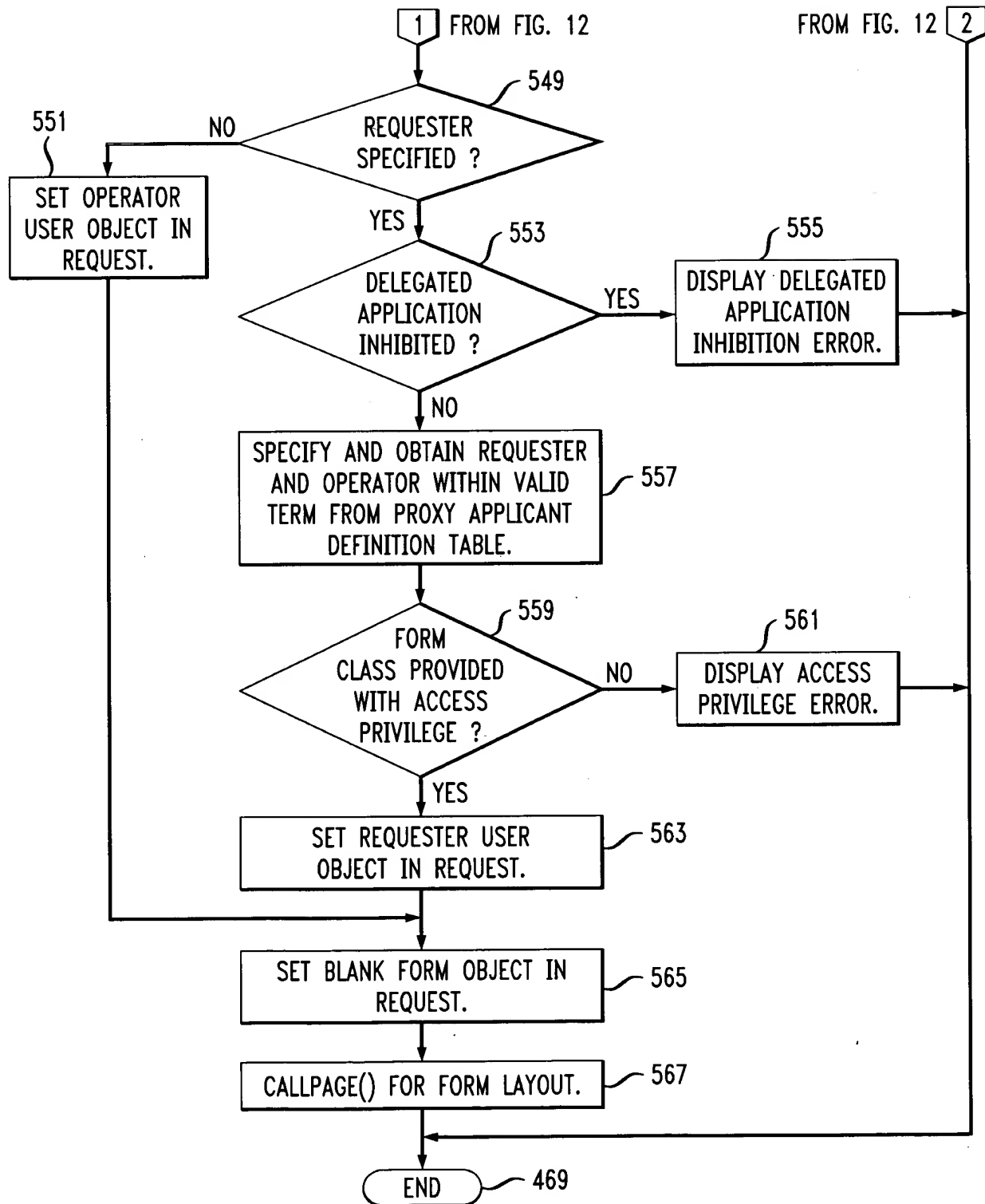




FIG. 14

| | | |
|-----|--------------------|---|
| 210 | USER PROFILE TABLE | |
| | ITEM | DESCRIPTION |
| 211 | USER ID | USER IDENTIFIER |
| 213 | NAME | USER NAME |
| 215 | COMMENT | USER'S ADDED DATA |
| 217 | PASSWORD | USER'S PASSWORD (ENCRYPTED) |
| 219 | SERVER ID | IDENTIFIER OF A SERVER FOR STORING FORMS |
| 221 | TABLE NAME | FORM STORING TABLE NAME |
| 223 | MAIL ADDRESS | USER'S MAIL ADDRESS |

FIG. 15

| | | |
|-----|----------------------------------|--|
| 230 | PROXY APPLICANT DEFINITION TABLE | |
| | ITEM | DESCRIPTION |
| 231 | RECORD ID | IDENTIFIER FOR DEFINING A PROXY APPLICANT |
| 233 | REQUESTER ID | USER IDENTIFIER OF AN APPLICATION REQUESTER |
| 235 | PROXY APPLICANT ID | USER IDENTIFIER FOR ACTUAL APPLICATION/APPROVAL |
| 237 | APPLICATION PRIVILEGE | 1: ENABLE 0: DISABLE |
| 239 | APPROVAL PRIVILEGE | 1: ENABLE 0: DISABLE |
| 241 | DELEGATION STARTING DATE | STARTING DATE OF VALIDITY OF THIS DEFINITION |
| 243 | DELEGATION ENDING DATE | ENDING DATE OF VALIDITY OF THIS DEFINITION |
| 245 | FORM CLASS ID | NULL: FORM WITHOUT FORM CLASS '*': ALL FORMS |

FIG. 16

| | | |
|-----|---------------------------------------|--|
| 250 | ORGANIZATION TABLE | |
| | ITEM | DESCRIPTION |
| 251 | ORGANIZATION ID | IDENTIFIER OF AN ORGANIZATION |
| 253 | ORGANIZATION NAME | NAME OF AN ORGANIZATION |
| 255 | COMMENT | ADDED DATA FOR AN ORGANIZATION |
| 257 | MANAGER | MANAGER OF AN ORGANIZATION |
| 259 | DIRECTLY BELONGING ORGANIZATION ID | IDENTIFIER OF A DIRECTLY BELONGING ORGANIZATION |



FIG. 17

| | | |
|-----|---------------------------|-----------------------------------|
| 270 | ORGANIZATION MEMBER TABLE | |
| | ITEM | DESCRIPTION |
| 271 | ORGANIZATION ID | IDENTIFIER OF AN ORGANIZATION |
| 273 | MEMBER ID | USER ID OF AN ORGANIZATION MEMBER |

FIG. 18

| | | |
|-----|-----------------------------|--|
| 290 | CATEGORY ACL TABLE | |
| | ITEM | DESCRIPTION |
| 291 | CATEGORY ID | IDENTIFIER OF A CATEGORY |
| 293 | USER ID/ ORGANIZATION ID | ACCESSIBLE USER/ORGANIZATION ID. |
| 295 | TYPE | '*': IDs OF ALL USERS 0: USER ID 1: ORGANIZATION ID (MEMBERS AND MANAGER OF AN ORGANIZATION) 2: ORGANIZATION ID (ALL MEMBERS OF LOWER ORGANIZATIONS AND ALL MANAGERS OF AN ORGANIZATION) |
| 297 | ACCESS PRIVILEGE | 1: REFERENCE ENABLED (GENERAL USER) 255: UPDATING ENABLED (MANAGER) |

FIG. 19

| | | |
|-----|-----------------|----------------------------|
| 310 | FORM CLASS | |
| | ITEM | DESCRIPTION |
| 311 | FORM CLASS ID | IDENTIFIER OF A FORM CLASS |
| 313 | FORM CLASS NAME | NAME OF A FORM CLASS |
| 315 | COMMENT | ADDED DATA TO A FORM CLASS |



FIG. 20

| 330 ~ FORM ENTRY TABLE | |
|---------------------------|------------------------------------|
| | |
| ITEM | DESCRIPTION |
| 331 ~ RECORD ID | IDENTIFIER OF A FORM ENTRY |
| 333 ~ SERVER ID | IDENTIFIER OF A SERVER |
| 335 ~ FORM ID | IDENTIFIER OF A FORM |
| 337 ~ CATEGORY ID | IDENTIFIER OF A BELONGING CATEGORY |
| 339 ~ CATEGORY NAME | NAME OF A BELONGING CATEGORY |
| 341 ~ SUB-CATEGORY NAME 1 | NAME OF A BELONGING SUB-CATEGORY |
| 343 ~ SUB-CATEGORY NAME 2 | NAME OF A BELONGING SUB-CATEGORY |
| 345 ~ SUB-CATEGORY NAME 3 | NAME OF A BELONGING SUB-CATEGORY |
| 347 ~ SUB-CATEGORY NAME 4 | NAME OF A BELONGING SUB-CATEGORY |

FIG. 21

| 350 ~ FORM DEFINITION TABLE | |
|----------------------------------|---|
| | |
| ITEM | DESCRIPTION |
| 351 ~ RECORD ID | IDENTIFIER OF FORM DEFINITION |
| 353 ~ SERVER ID | IDENTIFIER OF A SERVER |
| 355 ~ FORM ID | IDENTIFIER OF A FORM |
| 357 ~ TITLE | TITLE OF A FORM |
| 359 ~ COMMENT | ADDED DATA TO A FORM |
| 361 ~ FORM CLASS ID | IDENTIFIER OF A FORM CLASS |
| 363 ~ DELEGATED APPLICATION FLAG | 1: ENABLE 0: DISABLE |
| 365 ~ DELEGATION APPROVAL FLAG | 1: ENABLE 0: DISABLE |
| 367 ~ VALID TERM STARTING DATE | STARTING DATE OF A VALID TERM FOR A FORM |
| 369 ~ VALID TERM ENDING DATE | ENDING DATA OF A VALID TERM FOR A FORM |
| 371 ~ ROUTING DEFINITION | FORM ROUTING DEFINITION (XML) |
| 373 ~ FIELD DEFINITION | FORM FIELD DEFINITION (XML) |
| 375 ~ EVENT ACTION DEFINITION | FORM EVENT ACTION DEFINITION (XML) |
| 377 ~ START LAYOUT | FORM LAYOUT PATH FOR APPLICATION (JSP FILE) |
| 379 ~ START EVENT LIST | VALID EVENT LIST FOR APPLICATION |



FIG. 22

640

Proxy applicant setting

Proxy applicant user ID: 641

Privilege range: ☐ 643 Apply ☒ 645 Approve ☐ 647 All

Form Class: ☐ 649 All

(Plural selections
OK)

(Not specified) 651
 Personnel affairs

(i) Plural objects can be selected while the shift or ctrl key is held down.

Valid term: **(i)** day/month/year (input example: 24/08/1999)

Started on: 1999/08/24 653

Ended on: 655

(i) Set a day after today for the ending date.

New

657

Retry

659



18/20
JA9-99-165

09/669,598

FIG. 23

620

APPLICATION REQUESTER NAME
(ENTRY TO KEIKO TAKEUCHI MODE)

FormWave

File(F) Edit(E) Display(V) Jump(G) Help(H)

Blank form list

(Application requester: Keiko Takeuchi@xyz)

• Keiko Takeuchi

• Yoshinori Fujino

• Terutsugu Nakamura

• Dev.#1

• AP Dept.5

OK

• Purchase

- Purchase general articles
- Request for purchasing articles WGD0478PRT01003 99/03/12 19:33
- Request for canceling purchase of articles WGD0478PRT01004 99/03/12 19:35
- Software business
- Request for quoting software purchase WGD0478BOK00221 99/03/06 15:03

• Accounting

- Small payment
- Demanding temporary payment
- Payment for a book WGD0123BOK00935 99/04/23 13:53
- Payment for a taxi fare WGD0123TXI009350 99/04/23 13:53
- Payment for a general domestic business trip WGD0123TRV00936 99/04/23 15:33
- Payment for a special domestic business trip WGD0123TRV00937 99/04/23 15:56
- Payment for a short-term overseas business trip WGD0123TRV00938 99/04/23 13:58

• Insurance union

- Health management
- Application for a health check WGD0104HLT00023 99/04/20 10:03
- Demand of an insurance premium repayment WGD0104HLT00023 99/04/20 10:05

• Employee services

- Application for purchase of a movie ticket WGD0023TCK00035 99/02/02 09:13



FIG. 24

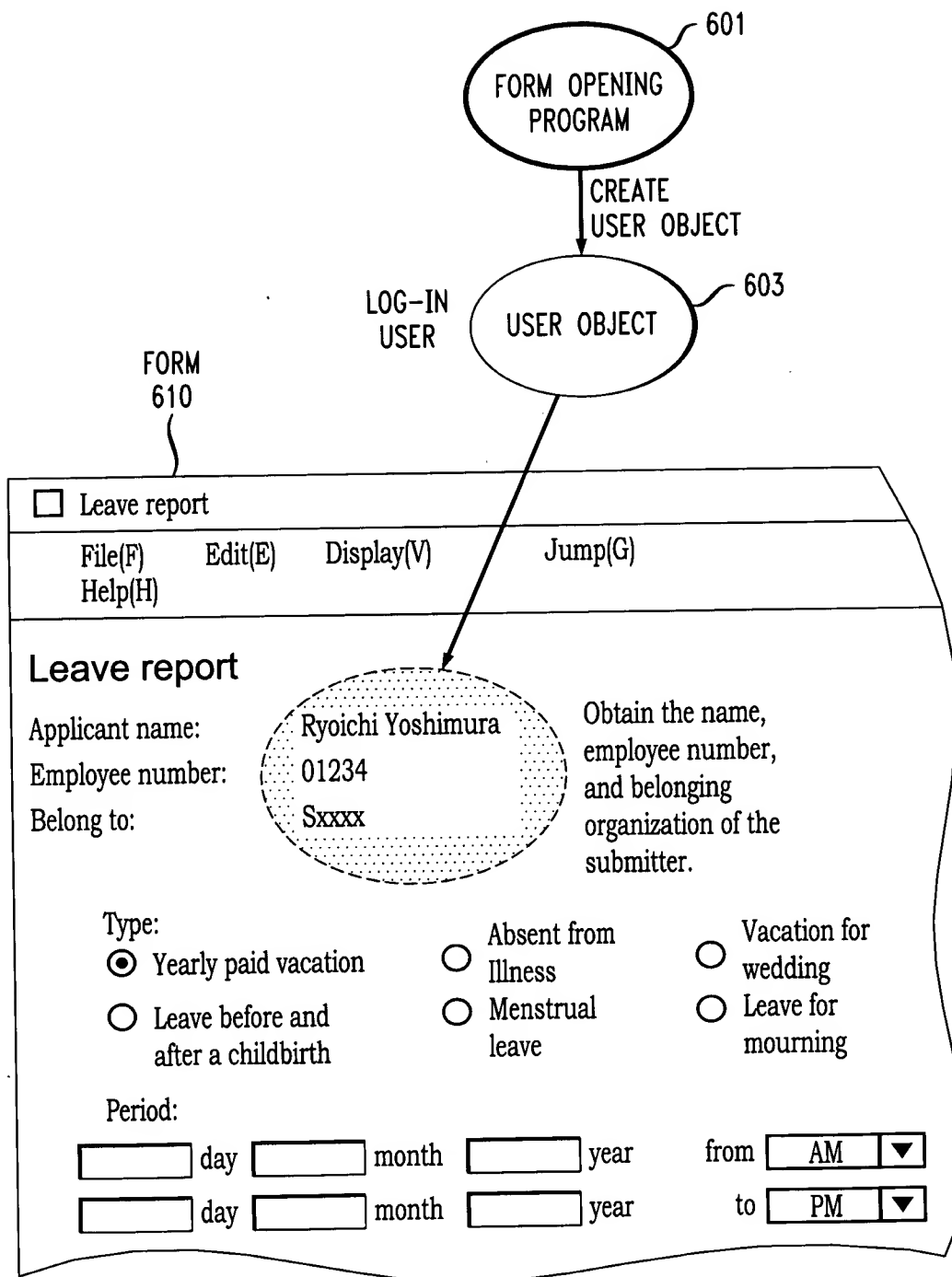




FIG. 25

